## SINGLE PAGE COMMUNICATION TO THE COMMON COUNCIL

TO:

THE COMMON COUNCIL

DATE:

October 28, 2022

FROM:

**DEPARTMENT:** 

Office of Mayor Byron W. Brown

SUBJECT:

2022-2023 Snow Plan

PRIOR COUNCIL REFERENCE: (IF ANY)

Ex. (Item No. xxx, C.C.P. xx/xx/xx)

Pursuant to §15-35 of the Charter of the City of Buffalo, my Administration is submitting the 2022-2023 Snow Plan for this honorable body's review.

**SIGNATURES:** 

Byron W. Brown

Mayor City of Buffalo



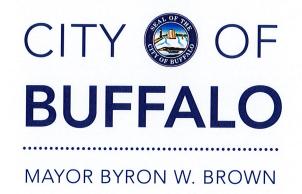
MAYOR BYRON W. BROWN

DEPARTMENT OF PUBLIC WORKS, PARKS & STREETS

## 2022-2023 SNOW REMOVAL

STANDARD OPERATING PROCEDURES





DEPARTMENT OF PUBLIC WORKS, PARKS AND STREETS
STREETS DEPARTMENT

## 2022-2023 SNOW REMOVAL

STANDARD OPERATING PROCEDURES

Byron W. Brown, Mayor

Francisco Guzmán, Acting Commissioner, Department of Public Works, Parks and Streets
Henry Jackson, Deputy Commissioner



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#### **GLOSSARY OF TERMS**

#### **BLACK ICE**

A term used for a very thin coating of clear, bubble free, homogeneous ice. This usually forms on pavement when the temperature is at or slightly above 32° F, and the temperature of the air that is in contact with the ground is below the freezing-point of water. Small slightly super-cooled water droplets deposit on the surface and coalesce (flow together) before freezing.

#### FREEZING RAIN

Super-cooled droplets of liquid precipitation falling on a surface whose temperature is below or slightly above freezing. This produces a hard, slick, generally thick coating of ice commonly called a glaze or clear ice. Non-super cooled raindrops falling on a surface whose temperature is well below freezing will also result in glaze.

#### **FROST**

Ice crystals in the form of scales, needles, feathers or fans deposited on the surfaces cooled by radiation or other processes. The deposits may be composed of drops of dew frozen after landing or of ice formed directly from water vapor at a temperature below 32° F (sublimation). This most often occurs when pavement temperature is 32° F or below and is at or below the Dew Point.

#### **LIGHT SNOW**

Snow falling at the rate of less than ½ inch per hour, visibility is not adversely affected.

## MODERATE TO HEAVY SNOW

Snow falling at a rate of ½ inch per hour or greater, visibility may be reduced.

#### **SLEET**

A mixture of rain and snow which has been partially melted while falling through the atmosphere when the temperature is slightly above the freezing point.

#### **SLUSH**

Accumulation of snow which lies on an impervious base and is saturated with water in excess of the capacity at which it drains freely. It will not support any weight when stepped on or driven on, but will "squish" until the base of support is reached.

## INTRODUCTION

Standard operating procedures for snow and ice removal is reviewed with all DPW Streets employees by way of internal meetings. While this manual provides both general and specific information related to snow and ice removal, it is implied that each weather event is unique, and the contingency plans must be adjusted according to the conditions that present by each event. Changing conditions and other factors will require discretionary alterations to the "everyday" practices and procedures.

#### **GOALS**

The mission of the Department of Public Works, Parks and Streets is to strive to best serve all of the residents of the City of Buffalo, and to better educate our workforce on the best utilization of technology and work practices for snow and ice control. We strive to ensure that result with this manual. Our main goal is to maintain streets that are passable and safe for vehicular traffic and pedestrians as consistently as possible, while recognizing the limitations that exist as a result of climate conditions and the availability of equipment, materials and personnel resources. These limitations, and the constant change of climate conditions, will dictate that pavement surfaces will be snow-covered and/or slippery some of the time. Despite our best efforts, vehicle operators must exercise caution.

#### SNOW AND ICE CONTROL

It is virtually impossible to ensure a "bare" or "wet" pavement surface all of the time. The characteristics of weather and finite available resources preclude this possibility on all City streets all of the time. The Division of Streets for the City of Buffalo always strives to ensure the safest possible pavement surfaces that are possible under climate conditions and with available resources for snow and ice control.

#### THE TWO GENERAL PRINCIPLES THAT APPLY TO EFFECTIVE ICE CONTROL ARE:

"Prevent Pack – Don't Melt It": The application of salt, very early in a storm, with appropriate follow-up applications, will generally prevent pack from forming. This strategy is much more effective and safe than trying to remove pack once it has formed.

"If Salt Will Work – Use It": If conditions are favorable, salt is the first choice of materials that should be used for ice control. The use of abrasives when salt will work encourages the formation of pack. The overall utilization of resources for combating pack will be far greater than if salt is used in a timely manner.

#### MATERIALS USED FOR ICE CONTROL

There are three types of materials available for use for snow and ice control in the Erie North Region: salt, abrasives and liquid anti-icers. The City of Buffalo primarily uses rock salt to melt ice.

Rock Salt – Rock Salt or Sodium Chloride (NaCl) is the most common, and least expensive, ice control chemical. The ability of salt to melt ice or form brine is highly temperature dependent. At 30°, one pound of salt will only melt 6.3 pounds of ice. This ratio primarily dictates when salt is used. Salt is the primary conditioner used in the City of Buffalo.

The City has 3500 tons of salt stored at Broadway Garage and 4000 tons at a BMHA property on Perry Street during the snow season.

#### CALIBRATION OF SPREADERS

It is recommended that all spreaders and ground speed controllers are calibrated annually. There are different calibrations for salt, abrasives and mixes of liquid and salt.

As per NYSDOT policy, the actual application rates are determined from calibrations and must be within 7 % % of the target value. To ensure that spreader units are applying the calibrated spread rates, it is recommended that the gate settings be fixed by drilling and pinning plates.

#### WEATHER INFORMATION

Accurate weather information is essential to effective snow and ice management. The assets that assist in these tasks are color weather radar satellite, accu-weather forecasts, Road Weather Information Systems (RWIS) and the National Weather Service (Buffalo International Airport).

Use of these resources contributes significantly to snow and ice management by helping to make decisions regarding call-outs, holdovers, material types, application rates and when to start spreading, when to re-apply materials, and when to stop spreading.

#### STAFFING/LEAVE APPROVALS

Maintenance staffing levels are based on full utilization of personnel during snow and ice season. The guidelines related to granting leave approvals at this time are as follows:

Extended leave requests (four days or more) will be considered and approved subject to two-day written notice if the leave does not jeopardize the ability of the Streets Department to carry out snow and ice activities.

Leave requests (less than four days) will be considered and approved subject to two-day written notice and/or on a contingency basis (subject to 24-hour notice of denial) based upon reported/ forecast weather conditions requiring additional snow and ice staffing.

Leave requests (one day or less) may be approved prior to, at the start of, or during a shift related to the operating needs of the Department, based on reported/forecast weather conditions.

#### **ENTERPRISE GPS SOLUTION**

#### INTRODUCTION/GOALS

To enhance the efficiency of services provided by the City of Buffalo, the Department of Public Works, Parks & Streets has initiated several improvements in the Streets Division operation. One of these improvements includes utilization of a Global Positioning System (GPS). This monitoring system was initially used for the City's "snow fighting" operations, but has expanded to all Streets/Sanitation vehicles. There are currently 120 DPW vehicles which have been retrofitted with the GPS system. The GPS uses satellite technology to determine the locations of the vehicles.

Key advantages of a well-executed GPS monitoring system on the City's operations are as follows:

- Enhances Supervisors/Foremen ability to monitor crews at all times.
- Greater fuel efficiency, lowering costs.
- Instant assessments of snow event situations.
- Provide accurate reports on vehicle routes.
- Better accountability.

#### COMPONENTS OF THE SYSTEM

- The vehicle/driver (including use of tracking hardware).
- The data center (Hosts of application and data).
- The end user (monitors vehicles from the PC and/or makes changes to application).

For the 2022-2023 Snow Season, the City has added a public facing module to the GPS system. Residents will be able to view the estimated timeframes of snowplowing services in their area by visiting www.buffalony.gov/snowfleet. Residents can call 311 for assistance if they do not have the ability to go online and check the estimated timeframes of snowplowing services in their area.

#### **MECHANICAL SERVICES GOALS & OBJECTIVES**

- 1. Maintain a list of in-service vehicles for snow removal and plowing.
- 2. Establish minimum staffing plan for mechanical services.
- 3. Establish "Vehicle Replacement Policy" based on years in-service and/or mileage.
- 4. Maintain and consolidate DPW Mechanical Service efficiency and operability.

## OPERATIONAL PLAN

#### I. GENERAL PROCEDURES

A winter schedule has been developed which assigns all Foremen, Equipment Operators, Truck Drivers, and Laborers II to plow and salt assignments. This schedule is in effect from November 15 to April 1. In the event there is snow prior to the scheduled date, implementation of the winter schedule begins as soon as needed and will be communicated to the public through the City of Buffalo Office of Communications to all platforms. The Department's goal is to have every street across the City plowed, at least once, within 24 hours after the end of a snow event. Execution of this plan may be effected by extremely adverse or continuous bad weather conditions.

Maintenance staffing levels are based on full utilization of personnel during the snow and ice season. The following guidelines are related to granting leave approvals during this season and scheduling during a snow event:

• During a snow event all shifts are designed to work for 12 hours (or 16 hours, as needed) dividing the personnel based on the availability of equipment. All shifts maintain their regular schedules; however, personnel will be offered 4 or 8 hour overtime blocks to supplement the workforce assigned to other shifts, based on need and equipment availability. All other Streets Department duties will be suspended, including large two piece and pick and pays) at the start of the winter event. The Department will place personnel into districts they are familiar with whenever feasible. This improves the overall efficiency of the Department's now fighting efforts.

TO EFFECTIVELY FIGHT AN "AVERAGE" SNOWSTORM (UP TO 8 INCHES IN ONE DAY), EACH DISTRICT WILL HAVE:

- Three (3) salt spreaders with plows to be used on main streets, viaducts and school crossings.
- Two (2) high-lifts with plows for residential side streets (3 for West Side area).



- One (1) high-lift with bucket to be used for snow removal on dead-end streets, at bus stops, and at school bus stops to improve safety for children getting on and off of their buses (as needed).
- In addition, 24 hr monitoring of snow removal efforts are implemented in the downtown business district.
- During snow events, internal meetings with Department Heads are consistently held to discuss, analyze and adjust services accordingly that are provided by the Department of Public Works.
- DPW has identified multiple locations across the City to store snow as required throughout the winter season. Locations include, but are not limited to: 1120 Seneca St Engineering Garage / Dart St Impound Lot / Richardson Complex / Fillmore and Buell.

The most treacherous conditions during any snowstorm can be found in the area along Fuhrman Boulevard. Technically we are not obligated to plow the Skyway entrances and exits that lead to Fuhrman, however, we are always available to assist in helping to clear them. Due to the drifting conditions in this area, additional plowing attention is paid here to maintain safe driving conditions. This area typically requires two (2) salt spreaders with plows.

#### II. CONDITION RESPONSES AND DESIGNATIONS

#### A. SNOW ALERT CONDITIONS

A "snow alert" condition is defined as a normal operational condition. No special procedures are required. Regular duties are performed by personnel. During a snow alert condition, our trucks will be assigned to pre-determined routes. Drivers will be dispatched to their appointed routes to begin spreading salt and plowing as needed. Viaducts and bridges receive special attention, since they are most susceptible to icy conditions prior to the development of these conditions on standard roadways.

After trucks are dispatched to their areas, they are in constant communication with our dispatch and radio room network, under the direct supervision of a Streets and Sanitation supervisor. All snow-fighting vehicle personnel are in continuous contact with our foremen and other essential personnel.

Vehicles are assigned to every district across the City. However, if there are areas that are experiencing more snowfall than others, trucks will be reassigned as needed.

#### **B. SNOW PLOWING CONDITIONS**

When the salt operations become ineffective in managing the snow, plowing operations commence. The primary focus in snow plowing is to reach all major streets and arterials. These major streets and arterials include bus routes and streets where there is a hospital, ambulance facility, fire station, and / or police station located. This prioritization ensures the continuous operation of these vital facilities and services in the event of an emergency.

When snow plowing operations commence, all City Department Heads are put on alert by the DPW Commissioner via all City platforms. This alert status is required in the event that assistance is needed

to supplement the Department of Streets and Sanitation plowing operations. The Commissioner of the Department retains a listing of the number of vehicles, their types, and qualified personnel from other departments who can operate snow-fighting equipment. The Department of Public Works Parks & Streets, Engineering, Buffalo Sewer Authority, Buffalo Water, Parking and Buffalo Municipal Housing Authority, have all agreed to assist in snow removal operations whenever necessary. All of these agencies and departments have agreed to cover designated areas in and around their centers of operation. However, if any particular area of the City requires more attention, this plan provides the flexibility to make modifications as necessary.

When conditions that require snow plowing subside, the focus shifts to the clean-up and/or removal of snow. This is the next vital stage of managing snow fighting procedures. Snow that is being removed will be hauled to pre-determined snow storage sites. The Department returns to "Snow Alert" status once the snow removal operations are determined to be under control. Salting once again commences, unless determined otherwise by the Director of Streets.

#### C. SNOW EMERGENCY CONDITIONS

"Snow emergency" conditions are those that occur when equipment and manpower, due to excessive accumulation of snow, are inadequate to keep main roads and emergency facilities accessible, clean and safe. A "snow emergency" is declared when the Mayor, along with the Commissioner of the Department of Public Works, Parks & Streets, determines that the rate and accumulation of snowfall becomes detrimental to the health, safety and welfare of the public. At this time, all City Department Heads are put on alert status, and required to activate their equipment and manpower.

During a "snow emergency", a Command Center is immediately activated on the ground floor in the office at the Broadway Garage. The Command Center has dedicated phone lines. All essential phone numbers, including: police stations, fire stations, hospitals, City of Buffalo and NYS Regional Offices, and NYSDOT offices are prominently displayed and distributed. Enlarged maps of each of the Districts are also prominently displayed to track the progress of snow fighting in each District. The Mayor's Director of Communications coordinates all media inquiries, unless otherwise assigned, and are handled through the Command Center. The Command Center remains active until the "snow emergency" status is lifted, operations have returned to snow plowing or "snow alert" status.

The media will be notified to alert residents and businesses of "emergency" status across the City, as well as of any driving bans and changes in parking rules that may be in effect.

For above average snow conditions (8 inches or more), outside contractors can be enlisted to assist in snow fighting operations. The contractors either report to the Broadway Garage or to a pre-determined location, where they work under the direct supervision of Departmental Supervisors. The 2022-2023 budget allocated \$260,000 to this effort if needed, additional funds may be required depending on the unknown and unpredictable snow events.

The Department of Public Works has a catalogue of all streets considered primary, secondary, bus routes, and streets that surround or provide direct access to emergency facilities across the City. The NYS Thruway, Route 33, I-198 and the Elm-Oak arterial, are the responsibility of the NYSDOT and NYS Thruway Authority. The Department remains in constant communications with these two (2) agencies throughout any "snow emergency" to provide assistance when necessary.

#### III. RESIDENTIAL STREET PROTOCOL

Within 24 hours of the end of a snow event, the goal of the Department of Public Works is to complete at least one (1) snow plow pass on every residential street in the City of Buffalo. The first priority is to always keep primary (main) streets and evacuation routes clear. Because of this, snow accumulation on some residential streets may be greater than usual during severely heavy and/or continuous snow storms or delayed.

#### IV. STATE AND FEDERAL ASSISTANCE

The Department of Public Works is in contact with the State and Federal agencies for the following:

NYSDOT helps plowing on evacuation routes per attached maps.

Federal Emergency Management Authority provides assistance when a state of emergency becomes effective.

# NYS DOT ROUTE 5 CLOSURE AND EVACUATION ROUTES

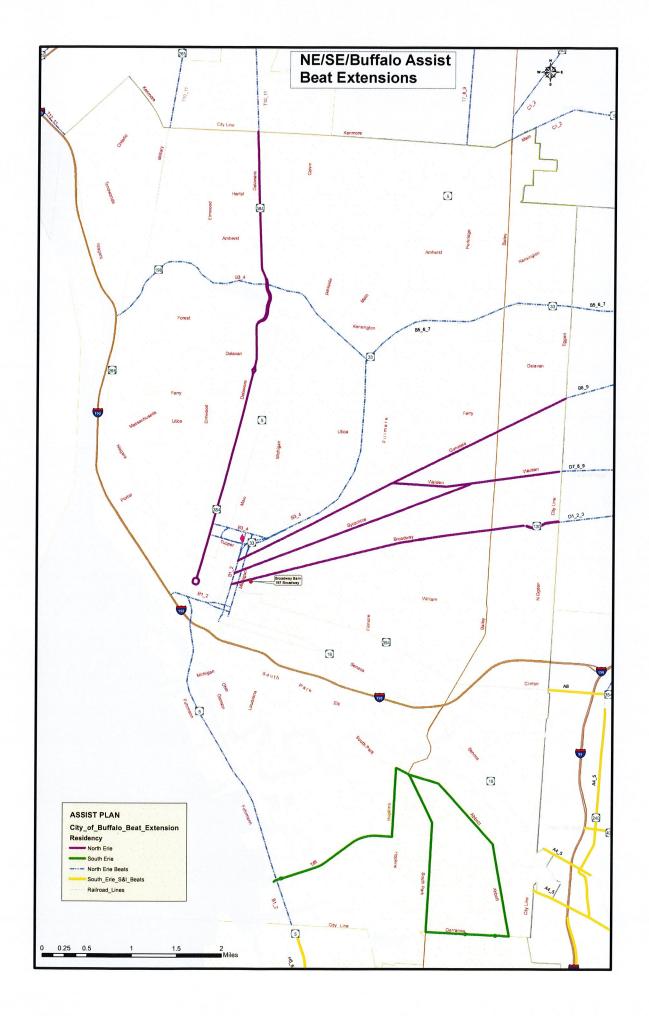
## **ROUTE 5 CLOSURE PROCEDURES**

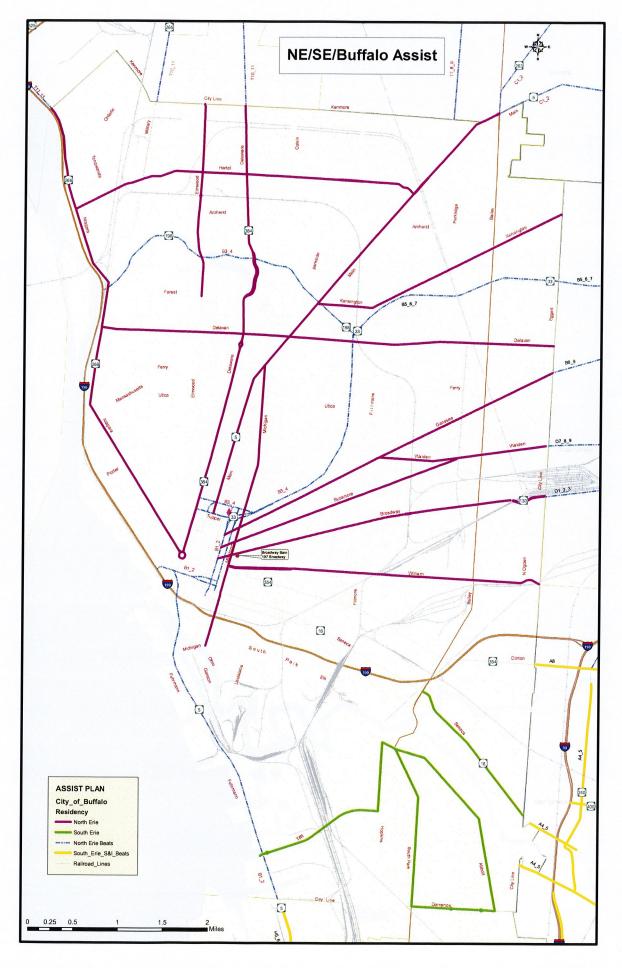
Location #	Location	Action	Responder **
1	I-190 / RTE 5 Interchange	Close traffic to RTE 5 WB	Primary: Buffalo Dispatch- 851-4549 Secondary: NYSTA - (800)842-2233 Tertiary: Troop T - (800)842-2233 Long Term: NYS Thruway
2	RTE 5 @ Church St.	Lower gate at RTE 5 / Church St. (1)	Primary: Buffalo Dispatch- 851-4549 Secondary: Troop A - (585)343-2200 Tertiary: NYSDOT - 649-2157 Long Term:
3	Ohio St. / Ganson St.	Close Traffic to Fuhrman Blvd.	Primary: Buffalo Dispatch- 851-4549 Secondary: Buffalo DPW Tertiary: Troop A - (585)343-2200 Long Term: Buffalo DPW
4	Wilkeson Pointe Roundabout	Lower gates (2)	Primary: Buffalo Dispatch- 851-4549 Secondary: Buffalo DPW Tertiary: Troop A - (585)343-2200 Long Term:
5	Tifft St. Roundabout	Lower gates (2)	Primary: Buffalo Dispatch- 851-4549 Secondary: Buffalo DPW Tertiary: Troop A - (585)343-2200 Long Term:
6	Ridge Road	Lower gate (1)	Primary: Lackawanna Dispatch - 822-4900 Secondary: Troop A - (585)343-2200 Tertiary: Long Term:
7	Route 5 Mainline EB at Ridge Road	Lower gate (1) and Lackawanna PD close Mainline with vehicles	Primary: Lackawanna Dispatch - 822-4900 Secondary: Troop A - (585)343-2200 Tertiary: Long Term: NYSDOT - 649-2157
8	Route 5 Mainline EB at Lake Ave	Close at RTE 5 / Lake Ave and U- turnTraffic	Primary: Hamburg Dispatch - 648-5111 Secondary: Troop A - (585)343-2200 Tertiary: Erie County Sheriff - 858-2903 Long Term: NYSDOT - 649-2157
9	Closure at RTE 5 / RTE 179 WB, Detour traffic from RTE 5 EB to RTE 179 EB	Close RTE 5 EB at RTE 179 with (1) Gate	Primary: Hamburg Dispatch - 648-5111 Secondary: Hamburg PD / NYS DOT Tertiary: Long Term: NYSDOT - 649-2157

## ROUTE 5 CLOSURE PROCEDURES

Contacted By	Ramp Gate	MPT*	Comments	Notified (Date/Time)	Confirmed Closure	Notified of Opening	Confirmed Opening
NITTEC 847-2070		•	Buffalo Dispatch: calls Buffalo PD - District "B" to close ramp. Thruway will provide MPT devices for long term closures with NYSDOT assistance, if necessary.				
NITTEC 847-2070	•		Buffalo Dispatch: calls Buffalo PD - District "B" to close ramp gate.				
NITTEC 847-2070		•	Buffalo Dispatch: calls Buffalo PD- District " A" to close, Buffalo DPW provides devices/BPD provides Police Vehicle, if necessary.				
NITTEC 847-2070	•		Buffalo Dispatch: calls Buffalo PD- District " A" to close gates to EB and WB Route 5 at sandpile entrances.				
NITTEC 847-2070	•		Buffalo Dispatch: calls Buffalo PD- District " A" to close gates.				
NITTEC 847-2070	•		Lackawanna Dispatch: calls Lackawanna PD to close gate, if unavailable Lackawanna Fire Department to close.				
NITTEC 847-2070	•		Lackawanna Dispatch: calls Lackawanna PD to close gate, if unavailable Lackawanna Fire Department to close.				
NITTEC 847-2070		•	Hamburg Dispatch: calls Hamburg PD and Woodlawn FD to close Route 5 at Lake Ave. NYSDOT provided MPT devices to Woodlawn FD for long term closures.				
NITTEC 847-2070	•		Hamburg Dispatch: calls Hamburg PD to assist DOT with closure points. RTE 5 EB traffic is detoured to RTE 179 EB and RTE 179 WB traffic is detoured to RTE 5 WB				

Updated: October 19, 2022





#### WINTER PARKING MODIFICATIONS

The Department of Public Works, Parks and Streets requires residential street winter parking changes to afford the DPW the ability to clear the street to maintain emergency access where current parking configurations prevent this important objective. The main focus of the parking restrictions are to maximize the DPW's ability to provide adequate snow clearing services and maintain emergency access without creating a hardship for residents. Parking restrictions are enforced by the Division of Parking.

#### OFF STREET PARKING CITY SITES

#### PARKING LOTS TO BE USED DURING SNOW EMERGENCY

DELAWARE	LOVEJOY	NIAGARA
569 FOREST	1111 LOVEJOY	186 GRANT
573 FOREST	1930 CLINTON	304 W. UTICA
1466 HERTEL		
1509 HERTEL	MASTEN	NORTH
	3102 BAILEY	FOOT OF FARMER
ELLICOTT	866 E. DELAVAN	641 HERTEL
1406 FILLMORE	283 GLENWOOD	186 HERTEL
1354 JEFFERSON	285 GLENWOOD	195 MILITARY
92 ORANGE	286 GLENWOOD	378 MILITARY
102 ORANGE	288 GLENWOOD	380 MILITARY
104 ORANGE	289 GLENWOOD	394 HERTEL
		396 HERTEL
FILLMORE	NIAGARA	
1193 BROADWAY	37 AUCHINVOLE	SOUTH
132 CLARE	43 AUCHINVOLE	2237 SENECA
134 CLARE	53 AUCHINVOLE	
612 FILLMORE	274 BRECKENRIDGE	UNIVERSITY
248 GIBSON	278 BRECKENRIDGE	22 HEATH
191 ALLEN	280 BRECKENRIDGE	23 HEATH
196 ALLEN	301 BRYANT	25 HEATH
197 ALLEN	6 ESSEX	26 HEATH
198 ALLEN	182 GRANT	3274 MAIN
252 ALLEN	185 GRANT	31 WINSPEAR

#### OFF STREET PARKING CITY OF BUFFALO PUBLIC SCHOOLS

Specific locations to be identified during snow events and will be communicated to the public through the City of Buffalo Office of Communications to all platforms.

#### OFF STREET PRIVATE PARKING

Locations include, but are not limited to the Richardson Complex on Forest Avenue.

#### SNOW REMOVAL PROCEDURE ON NON-SNOW DAYS

Attached is a list of business district locations across the City of Buffalo where curbing and snow removal will occur on non-snow days (days when main, secondary and residential streets are relatively clear with no expected additional precipitation).

This work will be coordinated by the Director of Snow Removal and Street Cleaning.

#### **BUSINESS DISTRICTS**

1.	Elmwood Avenue	11.	Ontario/Tonawanda
2.	Hertel Avenue	12.	Fillmore Avenue
3.	Delaware Avenue	13.	Main Street/University Area
4.	Allen Street	14.	Main Street/Downtown
5	Chinnowa Stroot	15	Nicean Chart I aman Mart Cial

5.	Chippewa Street	15.	Niagara Street/Lowe	er West Side
6.	Clinton Street	16.	Seneca Street	

7.	Broadway Street	17.	Buffalo Niagara Medical Campus
8.	Jefferson Avenue		Delavan/Grider Area
9.	Grant Street	19.	Main/Leroy Area

10. South Park Avenue

#### PRE STORM REPORT

- 1. Meeting with National Weather Service tp determine timing and duration of snow event
- 2. Listing of available equipment and snow emergency contractor availability
- 3. Confirm assistance from other City Departments/Divisions.
- 4. Confirm NYSDOT assistance.
- 5. Evaluate need to suspend other services.
- 6. Discussion with Division of Parking on parking enforcement.

#### POST STORM REPORT REQUIREMENTS

- 1. Timeline of snow event. For example, when a snow event started, when and how quickly mains and secondary streets were cleared and when residential streets were started and completed.
- 2. How much salt was used during the event and what is the balance of the stockpile? Detailed budget for materials used.
- 3. Overtime expenditures.
- 4. Equipment status, including repair/service needs and costs.
- 5. Compare reports with the reports from Citizens Services and 311 complaints to determine areas where improvement is needed.
- 6. Department of Public Works Commissioner and/or appropriate staff will review with Mayor and Common Council any issues with snow removal in their Districts. These materials will be included in the Director's Debrief.
- 7. Parking Enforcement information/statistics will also be monitored and included in the Post Storm Report.

#### **SPECIAL NEEDS REQUEST**

Streets or locations that request special snow removal operations based on environmental conditions through to 311 operators, and sent to the Deputy Commissioner of Streets and Sanitation, who will evaluate the needs of the area and deploy crews for removal on an as-needed basis.

#### CITY OF BUFFALO FUEL SITES

#### **PARKS GARAGE**

1 Meadow View Terr. Unleaded/Diesel 4000 Gal (U/L) 4000 Gal (Diesel) Phone: 884-9601

#### **POLICE GARAGE**

341 Seneca St. Unleaded / Diesel 8000 Gal (U/L) 3000 Gal (Diesel) Phone: 851-4709

#### **BROADWAY GARAGE**

197 Broadway Diesel 12000 Gal Tank Phone: 851-5347

#### **ENGINE 25**

So. Side / Seneca Diesel 1000 Gal Tank Phone: 827-8977

#### **ENGINE 31**

2025 Bailey/Doat Diesel 1000 Gal Tank Phone: 896-4960

#### **ENGINE 34**

2837 Main / Mercer Unleaded 550 Gal Tank Phone: 834-4612

#### **ENGINE 1**

132 S. Division / Ellicott Diesel 1000 Gal Tank Phone: 851-5969

#### **ENGINE 4**

935 Abbott/Hollywood Unleaded 500 Gal Tank Phone: 827-8457

#### **ENGINE 37**

500 Rhode Island Diesel 1000 Gal Tank Phone: 884-1526

#### **ENGINE 38**

Colvin/Linden Diesel 1000 Gal Tank Phone: 851-4864

#### **ENGINE 3**

609 Broadway Diesel 1000 Gal Tank Phone: 851-4425

#### **ENGINE 16**

Jefferson/Kingsley Diesel 1000 Gal Tank Phone: 884-1839

#### **ENGINE 32**

700 Seneca / Swan Diesel 1000 Gal Tank Phone: 851-4804

#### **BROADWAY LUBE**

Main Floor 197 Broadway Phone: 851-5941

#### **BROADWAY LUBE**

Mechanic's Shop 197 Broadway Phone: 851-4556

### BUFFALO POLICE DEPARTMENT HEADQUARTERS 716-851-4444 68 COURT ST. BUFFALO, NY 14202

#### A - DISTRICT

851-4409 / 851-4415 1847 SOUTH PARK AVE. BUFFALO, 14220 PAUL K. MULLEN, CHIEF

#### **B – DISTRICT**

851-4403 695 MAIN STREET, BUFFALO, 14203 THELMA JONES, CHIEF

#### C - DISTRICT

851-4412 693 EAST FERRY STREET, BUFFALO 14211 ROBERT E. LEE, CHIEF

#### D - DISTRICT

851-4413 669 HERTEL AVENUE BUFFALO, 14213 JOHN FAHEY, CHIEF

#### **E - DISTRICT**

851-4416 2767 BAILEY AVE, BUFFALO, 14215 CARMEN MENZA, CHIEF

#### TRAFFIC / K-9

851-4411 1345 BAILEY AVENUE, BUFFALO, 14206

#### **K-9 KENNELS**

851-4411 300 LOUISIANA STREET, BUFFALO, 14204

## BUFFALO FIRE DEPARTMENT HEADQUARTERS 716-851-5333 68 COURT ST. BUFFALO, NY 14202

SERVICE STATION	FIRE PREVENTION BUREAU	FIRE COMMUNICATIONS
855-8722	851-5707	851-5510
Court & Stats	312 City Hall	332 Ellicott Street

#### FIRE INVESTIGATION BUREAU FIRE TRAINING BUREAU

851-4515 681-1011 155 Ohio Street 3359 Broadway Cheektowaga 14225

DOWTOWN		DISTRICT 3	
<ul> <li>Engine 1 – Ladder 2</li> <li>132 Ellicott and South Division</li> </ul>	855-9790	<ul><li>Engine 23</li><li>3226 Bailey Ave.</li></ul>	851-5913
DISTRICT 1 • Engine 2	886-0925	<ul> <li>Engine 31 – Ladder 14</li> <li>2044 Bailey Ave.</li> </ul>	851-9679
376 Virginia and Elmwood	000-0723	<ul> <li>Engine 33</li> <li>1720 Fillmore &amp; Buehl</li> </ul>	896-9025
<ul><li>Engine 3 601 Broadway &amp; Monroe</li></ul>		<ul> <li>Engine 34 – Ladder 7</li> <li>Main &amp; Mercer</li> </ul>	836-9570
<ul> <li>Engine 21 – Ladder 6 – Rescue 1</li> <li>1229 Jefferson &amp; Kingsley</li> </ul>	881-9803	DISTRICT 4	
<ul><li>Engine 19</li><li>209 Forest Ave. &amp; Hawley</li></ul>	886-9216	<ul><li>Engine 4</li><li>939 Abbott &amp; Hollywood</li></ul>	825-8919
<ul> <li>Engine 37 – Ladder 4</li> <li>500 Rhode Island and Chenango</li> </ul>	886-8886	<ul> <li>Engine 22</li> <li>1528 Broadway (near Wick)</li> </ul>	896-9101
DISTRICT 2		<ul> <li>Engine 32 – Ladder 5</li> <li>700 Seneca (near Swan)</li> </ul>	855-8819
<ul> <li>Engine 26</li> <li>703 Tonawanda &amp; Progressive</li> </ul>	877-9336	DISTRICT 5	
<ul> <li>Engine 36 - Ladder 13 860 Hertel Ave.</li> </ul>	877-9453	<ul> <li>Engine 25 – Ladder 10</li> <li>517 Southside &amp; Seneca</li> </ul>	825-9210
<ul><li>Engine 38</li><li>398 Linden and Colvin</li></ul>	877-9243	<ul> <li>Engine 28         1170 Lovejoy (at Gold)     </li> </ul>	896-9778
		<ul> <li>Engine 35 – Ladder 15</li> <li>1512 Clinton St. &amp; Bailey</li> </ul>	825-9348

#### **HOSPITALS**

#### **DISTRICT 1** Niagara Family Health Center 242-8600 300 Niagara St. **DISTRICT 3** Roswell Park 845-2300 Elm & Carlton • Buffalo General Medical Center 859-5600 100 High St. • Sisters of Charity 862-1000 2157 Main St. Veterans Admin. Medical Center 834-9200 3495 Bailey Ave. • Erie County Medical Center 898-3000 462 Grider St. Oishei Children's Hospital 818 Ellicott Street 323-2000 **DISTRICT 5**

Mercy

565 Ábbott Rd.

826-7000

## **BUFFALO PUBLIC SCHOOL NAMES AND ADDRESSES**

SCHOOL	NAME	ADDRESS	ZIP CODE
3	D'Youville Porter Campus	255 Porter Avenue	14201
6	Buffalo Elementary School of Technology	414 S. Division Street	14204
17	Early Childhood Center #17	1045 W. Delavan Avenue	14209
18	Dr. Antonia Pantoja Community School of Academic Excellence	750 West Avenue	14213
19	Native American Magnet	97 W. Delavan Avenue	14213
27	Hillery Park Elementary	73 Pawnee Parkway	14210
30	Frank A. Sedita Elementary	21 Lowell Place	14213
31	Harriet Ross Tubman School	212 Stanton Street	14212
32	Bennett Park Montessori	342 Clinton Street	14204
33	Bilingual Center	157 Elk Street	14210
37	Marva J. Daniel Futures Preparatory Academ	y295 Carlton Street	14204
42	Occupational Training Center	75 W Huron Street	14214
43	Lovejoy Discovery School	161 Benzinger Street	14206
45	International School	141 Hoyt Street	14213
48	School #48@39	487 High Street	14211
50	North Park Community School	780 Parkside Avenue	14216
53	Community School #53	329 Roerher Avenue	14208
54	Dr. George Blackman School of Excellence	2358 Main Street	14214
59	Dr. Charles R. Drew Science Magnet	1 Martin Luther King Jr. Park	14211
59 Annex	Dr. Charles R. Drew Science Magnet Annex	50 A Street	14211
61	Arthur O. Eve School of Distinction	453 Leroy Street	14215
64	Frederick Law Olmsted	874 Amherst Street	14216
65	Roosevelt Early Childhood Center	249 Skillen Street	14207
67	Discovery School	911 Abbott Road	14220
69	Houghton Academy	1725 Clinton Street	14206
72	Lorraine Elementary School	71 Lorraine Avenue	14220
74	Hamlin Park Claude & Ouida Clapp Academ	/ 126 Donaldson Road	14208
76	Herman Badillo Bilingual	315 Carolina Street	14201
79	Pfc. William J. Grabiarz School of Excellence	225 Lawn Avenue	14207
80	Highgate Heights Academy	600 Highgate Avenue	14215
81	School 81	140 Tacoma Avenue	14216
82	Early Childhood Center #82	230 Easton Avenue	14215
84	Erie County Health Care Center for Children	462 Grider Street	14215
89	Dr. Lydia T. Wright School of Excellence	106 Appenheimer Street	14214
92	B.U.I.L.D. Academy	340 Fougeron Street	14211
93	Southside Elementary School	430 Southside Parkway	14210

## **BUFFALO PUBLIC SCHOOL NAMES AND ADDRESSES**

SCHOO	NAME	ADDRESS	ZIP CODE
94	West Hertel Elementary	489 Hertel Avenue	14207
95	Waterfront Elementary	95 Fourth Street	14202
97	Harvey Austin School	1405 Sycamore Street	14211
99	Stanley Makowski ECC	1095 Jefferson Avenue	14208
131	The Academy School @ 4	425 South Park Avenue	14204
131	The Academy School @18A	179 Albany Street	14213
156	Frederick Law Olmsted @203	319 Suffolk Avenue	14215
192	Buffalo Academy for Visual & Performing Arts	450 Masten Avenue	14208
195	City Honors School @ Fosdick Masten Park	186 E. North Street	14204
196	Math, Science & Technology Preparatory School 5-8	487 High Street	14215
197	Math, Science & Technology Preparatory School 9-12	666 E. Delavan Avenue	14215
198	International Preparatory School @ 202	110 14th Street	14213
206	South Park High School	150 Southside Parkway	14220
207	Lafayette International Community High School	370 Lafayette Avenue	14213
208	Riverside Academy	51 Ontario Street	14207
212	Leonard DaVinci High School	320 Porter Avenue	14201
301	Burgard High School	400 Kensington Avenue	14214
302	Emerson School of Hospitality	70 W. Chippewa Street	14202
304	Hutchinson Central Technical High School	256 S. Elmwood Avenue	14201
305	McKinley High School	1500 Elmwood Avenue	14207
309	East Community High School	820 Northampton Street	14211
355	Buffalo School of Culinary Arts	75 W Huron Street	14202
357	Pathways Academy @ East	820 Northampton Street	14211
363	Lewis J. Bennett H.S. of Innovative Technology	2885 Main Street	14214
366	Research Laboratory H.S. for Bioinformatics & Life Sciences @#200	2495 Main St @Tri-Main	14214
415	Middle Early College High School	2885 Main Street	14214

## DIVISION OF STREETS

## CITY OF BUFFALO STREETS DEPARTMENT FLEET

Truck # (S-	) Year	Make	Description	Spreader	Plow/wing			
SNOW PLO	SNOW PLOWS (44)							
52	2003	Volvo	TA dump 18'		10' rev			
53	2003	Volvo	TA dump 18'	†	10' rev			
57	2005	Peterbilt	TA dump 16'	17' insert	10' rev			
59	2006	Sterling	TA dump 16'	- 🛊	10' rev			
60	2006	Sterling	TA dump 16'		10' rev			
61	2006	Sterling	TA dump 16'	16' insert	10' rev			
63	2007	Sterling	TA dump 16'	16' insert	10' rev			
64	2007	Sterling	TA dump 16'	16' insert	10' rev			
65	2007	Sterling	TA dump 16'	16' insert	10' rev			
68	2008	Sterling	TA dump 18'	17' insert	10' rev			
70	2008	Sterling	TA dump 18'	17' insert	10' rev			
71	2008	Sterling	TA dump 18'	17' insert	10' rev			
72	2008	Sterling	TA dump 16'	16' insert	10' rev/wing			
73	2008	Sterling	TA dump 16'	16' insert	10' rev/wing			
74	2008	Sterling	TA dump 16'	16' insert	10' rev/wing			
75	2008	Sterling	TA dump 16'	16' insert	10' rev/wing			
77	2009	Sterling	TA dump 15'	15' insert	10' rev			
78	2009	Sterling	TA dump 15'	15' insert	10' rev			
80	2011	Freightliner	TA dump 15'	15' insert	10' rev			
81	2012	Freightliner	TA dump 15'	15' insert	10' rev			
82	2012	Freightliner	TA dump 15'	15' insert	10' rev			
83	2012	Freightliner	TA dump 15'	15' insert	10' rev			
84	2012	Freightliner	TA dump 15'	15' insert	10' rev			
85	2012	Freightliner	TA dump 15'	15' insert	10' rev			
86	2014	Freightliner	SA dump 10'	10' insert	10' rev			
87	2014	Freightliner	SA dump 10'	10' insert	10' rev			
88	2014	Freightliner	SA dump 10'	10' insert	10' rev			
89	2014	Freightliner	SA dump 10'	10' insert	10' rev			
90	2014	Freightliner	SA dump 10'	10' insert	10' rev			
91	2014	Freightliner	SA dump 10'	10' insert	10' rev			
92	2014	Freightliner	SA dump 10'	10' insert	10' rev			
93	2014	Freightliner	SA dump 10'	10' insert	10' rev			
95	2016	Freightliner	SA dump 10'	10' insert	10' rev			
96	2016	Freightliner	TA dump 17'	17'insert	10' rev			
97	2016	Freightliner	Tandem Dump	X	X			
98	2016	Freightliner	Tandem Dump	X	X			

## CITY OF BUFFALO STREETS DEPARTMENT FLEET

Truck # (S-)	Year	Make	Description	Spreader	Plow/wing
1002	2017	Freightliner	TA dump 18'	15' insert	10' rev w/wing
1003	2017	Freightliner	TA dump 18'	15' insert	10' rev w/wing
1004	2018	Freightliner	TA dump 16'	15' insert	10' rev w/wing
1005	2020	Freightliner	TA dump 16'	15' insert	10' rev w/wing
1006	2020	Freightliner	TA dump 16'	15' insert	10' rev w/wing
1007	2021	Western Star	TA dump	15' insert	10' rev w/wing
1008	2022	Western Star	TA dump	15' insert	10' rev w/wing
*1009	2023	Freightliner	TA dump 16'	15' insert	10' rev w/wing
*1010	2023	Freightliner	TA dump 16'	15' insert	10' rev w/wing
*1011	2023	Freightliner	TA dump 16'	15' insert	10' rev w/wing
* new equip	ment arrivi	ng November 20	22 for the 2022-2	23 season	1
	  -  -	<u> </u>			l
SUPERVISO	R VEHICLE	(2) 	I	ł	I
293	2017	F350 with dump			
294	2017	F350 with dump			
FRONT LOA	<b>DERS</b> (15)	1		i	
520	2007	John Deere	Wheel loader		
522	2008	John Deere	Wheel loader		
524	2008	John Deere	Wheel loader		
525	2008	John Deere	Wheel loader		
526	2012	Komatso	Wheel loader		
527	2012	Komatso	Wheel loader		
528	2013	John Deere	Wheel loader		
529	2013	John Deere	Wheel loader		
530	2016	John Deere	Wheel loader		
531	2017	John Deere	Wheel loader		
532	2018	John Deere	Wheel loader		
533	2019	Case	Wheel loader		
534	2019	Case	Wheel loader		
535	2019	Case	Wheel loader		
536	2019	Case	Wheel loader		

## **PRIMARY STREETS**

Street Name	From	То	District	Miles of Street	Average Width (FEET)	# of Passes	Miles Plowed
Main	Goodell	Bailey	Delaware/North	6	60	6	36
Delaware	Church	Kenmore	Delaware/North	5.1	67	6	30.6
Elmwood	Eagle	Kenmore	Delaware/North	4.3	56	6	25.8
Hertel	Niagara	Main	North	3.9	55	5	19.5
Kenmore	Vulcan	Main	North	4.5	20	2	10
Amherst	Niagara	Main	North	3.3	42	4	13.2
Parkside	Agassiz	Starin	North	1.7	50	5	8.5
Ontario	Niagara	Kenmore	North	1.3	40	4	5.2
Tonawanda	Niagara	Kenmore	North	2.1	43	4	8.4
Niagara	Eagle	City Line	Niagara/North	5	60	6	30
Richmond	North	Forest	Niagara/Delaware	1.7	50	5	8.5
Porter	LaSalle	Richmond	Niagara	1	50	5	5
Humboldt	Gillette	Parkside	Masten/North	0.3	26	3	0.9
Humboldt	Northampton	East Delavan	Masten/North	0.5	40	4	2
Humboldt	Northampton	Agassiz Circle	Masten/North	1	40	4	4
Genesee	Main	City Line	Masten/Fillmore	4.3	58	6	25.8
East Ferry	Main	Bailey	Masten/Fillmore	1.4	40	4	5.6
Sycamore	Oak	Walden	Masten/Fillmore	2.7	42	4	10.8
Broadway	Niagara Square	City Line	Masten/Ellicott	3.8	60	6	22.8
Clinton	Pine	City Line	Masten/Ellicott	3.4	60	6	20.4
Ohio	Michigan	Fuhrman Blvd	Ellicott	1.6	42	4	6.4
South Park	Main	City Line	Ellicott/South	4.6	49	5	23
Seneca	Terrace	City Line	Ellicott/South	4.7	47	5	23.5
Abbott	South Park	Lackawanna	South	2.2	41	4	8.8
Fuhrman Blvd	City Ship Canal	City Line	South	3.1	42	4	13.2
Tifft	Fuhrman Blvd	McKinley	South	2.1	42	4	8.4
Hopkins	South Park	Botanical Gardens	South	1.4	40	4	5.6
North Ogden	William	Broadway	Lovejoy	0.9	40	4	3.6
North Ogden	Mineral Springs	William	Lovejoy	1.4	40	4	5.6
William	Broadway	South Ogden	Lovejoy/Ellicott	3.6	58	6	21.6
Kensington	Main	Eggert	University	2.9	40	4	11.6
Bailey	South Park	Main	Multiple	7	58	6	42
Michigan	Ohio	Main	Multiple	3	42	4	12
Fillmore	Smith	Main	Multiple	4.5	50	5	22.5
Jefferson	Exchange	Main	Multiple	3.4	48	5	17

## **SECONDARY STREETS**

Street Name	From	То	District	Miles of Street	Average Width (FEET)	# of Passes	Miles Plowed
North Ogden	Main	Richmond	Delaware	0.6	30	3	1.8
Allen	Wadsworth	Main	Delaware	0.5	36	4	2
Linwood	North Ogden	Delavan	Delaware	1.4	38	4	5.6
Lincoln Pkwy	Bidwell	Forest	Delaware	0.4	44	4	1.6
Bidwell Pkwy	Richmond	Lincoln Pkwy	Delaware	0.6	70	6	3.6
Chapin Pkwy	Lincoln Pkwy	Lafayette	Delaware	0.5	70	6	3
Elk	South Park	Seneca	Ellicott/South	1.5	46′	5	7.5
Walden	Genesee	City Line	Fillmore	1.9	42'	4	7.6
Paderewski	Smith	NY Central	Fillmore	0.4	40′	4	1.6
Herman	Broadway	Best	Fillmore	0.7	30′	3	2.1
Peckham	Smith	Memorial	Fillmore	0.2	40′	4	0.8
Memorial	William	Broadway	Fillmore	0.8	50′	5	4
Doat	Genesee	City Line	Fillmore	1.1	32'	3	3.3
Sprenger	Genesee	Doat	Fillmore	0.2	30′	3	0.6
Babcock	William	Elk	Lovejoy	0.6	36	4	2.4
Stanley	Bailey	Green	Lovejoy	0.2	30	3	0.6
Vanderbilt	Greene	Schiller	Lovejoy	0.4	28	3	1.2
Ludington	Bailey	City Line	Lovejoy	0.7	28	3	2.1
Dingens	Bailey	City Line	Lovejoy	0.8	36	4	3.2
Frank	Mineral Springs	Field	Lovejoy	0.2	26	3	0.6
North Ogden	Broadway	Richard	Lovejoy	0.2	40	4	0.8
Richard	North Ogden	South Ogden	Lovejoy	0.1	30	3	0.3
South Ogden	Richard	Mineral Springs	Lovejoy	0.4	40	4	1.6
Mineral Springs	Seneca	South Ogden	Lovejoy	0.6	36	4	2.4
West Ferry	Niagara	Main	Niagara	1.8	44	4	7.2
Massachusetts	Busti	West Ferry	Niagara	0.8	30	3	2.4
West Utica	Massachusetts	Main	Niagara	1.2	42	4	4.8
West Delavan	Niagara	Main	Niagara	1.8	40	4	7.2
Lafayette	Niagara	Main	Niagara	1.8	38	4	7.2
Grant	Hampshire	Military	Niagara	2	36	3	6
Hampshire	Busti	West Ferry	Niagara	0.8	32	3	2.4
Tacoma	Delaware	Starin	North	1.8	28	3	5.4
Starin	Kenmore	Amherst	North	1.2	40	4	4.8
Vulcan	Niagara	Kenmore	North	0.9	18	2	1.8
Esser	Tonawanda	Skillen	North	0.6	30	3	1.8

## **SECONDARY STREETS CONTINUED**

Street Name	From	То	District	Miles of Street	Average Width (FEET)	# of Passes	Miles Plowed
Hotaling	Tonawanda	Niagara	North	0.2	36	4	0.8
Sanders	Delaware	Hobmoor	North	0.6	28	3	1.8
St. Lawrence	Delsan	Starin	North	0.6	28	3	1.8
Shoshone	Taunton	Hertel	North	0.4	28	3	1.2
Depew	Main	Parkside	North	0.6	40	4	2.4
Linden	Delaware	Parkside	North	0.7	40	3	2.1
Jewett	Parkside	Main	North	0.4	30	3	1.2
Niagara Falls Blvd	Main	Kenmore	North	0.3	40	4	1.2
Nottingham	Elmwood	Amherst	North	1.1	32	3	3.3
Austin	Military	Niagara	North	0.6	36	4	2.4
Military	Amherst	Kenmore	North	1.5	42	4	6
Colvin	Amherst	Kenmore	North	1.2	50	5	6
Parker	Main	Taunton	North	1	30	3	3
Hinman	Military	Delaware	North	0.9	34	3	2.7
Southside	South Park	Seneca	South	1	34	3	3
North Legion	Southside	Cazenovia	South	0.8	38	4	3.2
South Legion	Southside	Cazenovia	South	0.8	28	3	2.4
Cazenovia	Abbott	Seneca	South	0.4	42	4	1.6
McKinley	Dorrance	Bailey	South	1.8	54	5	9
Red Jacket	McKinley	Abbott	South	0.2	50	5	1
Stevenson	Abbott	Seneca	South	0.3	32	3	0.9
Woodside	South Park	Potters	South	1	28	3	3
Elk	Bailey	Seneca	South	0.2	40	4	0.8
Indian Church	Seneca	Fields	South	0.4	36	4	1.8
Cazenovia Pkwy	Seneca	Abbott	South	0.6	Varies	2	1.2
Cazenovia Pkwy	Seneca	Cazenovia	South	0.2	Varies	2	0.4
Potters	Abbott	City Line	South	0.7	28	3	2.1
East Amherst	Main	Bailey	University	1.4	40	4	5.6
Eggert	East Delavan	City Line	University	1.4	36	4	5.6
Winspear	Main	Eggert	University	1.1	40	4	4.4
Dewey	Main	Castle	University	0.8	28	3	2.4
Olympic	Delavan	Kensington	University	0.8	34	3	2.4
Parkridge	Kensington	Winspear	University	0.8	28	3	2.4
Comstock	Kensington	Winspear	University	0.8	28	3	2.4
Suffolk	Delavan	Winspear	University	1.6	28	3	4.8

#### **SNOW DRIFT AREAS**

#### 1. DELAWARE DISTRICT

- Chapin Pkwy (Gates Circle to Forest & Soldiers Place)
- Colvin (Amherst to Linden)
- Delaware (Hertel to Kenmore to Nottingham to Forest- Both Sides)
- Main (Kenmore to Niagara Falls Blvd.)
- Kenmore (Main to Capen)
- Hecla (Kenmore to St. Lawrence)
- Parkside (Starin to Tacoma to Humboldt to Jewett Pkwy.)

#### 2. ELLICOTT DISTRICT

- Louisiana (Miami to South)
- Ohio (All)
- South Street (All)
- Ganson Street (All)
- Hamburg (Republic to South
- Griffin & Exchange)
- All dead ends off of Republic (Kentucky, Tennessee, Vincennes, Alabama, Vandalia, Hopkins and Bell to Tifft)
- Emslie (Howard to William)
- Jefferson (Swan to Clinton)
- Spring (Seneca to Clinton)
- Pine (Clinton to Swan)
- South Division (Pine to Swan)
- Eagle (Michigan to Swan)
- Pine (South Division to Broadway)
- William (Michigan to Jefferson)
- Hickory (South Division to Broadway)

#### 3. FILLMORE DISTRICT

- Memorial Drive
- Mills
- Lathrop
- Walden & Sycamore
- Gibson (By Sattler's Parking Lot)
- Sprenger (Hemmingway to Doat)
- Countess (Genesee to Hemmingway)
- Sycamore (Howlett to Gittere)
- Curtiss (Peckham to Newton)

#### 4. SOUTH DISTRICT

- South Park (near South Park Lift Bridge)
- Furhmann Blvd.

#### 5. LOVEJOY DISTRICT

- Weiss & Dingens
- Dorothy near Gilbert
- Ogden & Richard Drive
- Depot near Howard
- Central near Lovejoy
- William across from US Post Office
- Greene & King
- Babcock near William
- James E. Casey
- Bailey (William to Clinton)
- South Ogden near Mineral Springs
- Fillmore & William
- Elk near Babcock

#### 6. NIAGARA DISTRICT

- Niagara (Porter to Connecticut)
- Niagara (Hampshire to Busti)
- Niagara (Potomac to Bird)
- 7th Street (Massachusetts to Busti)
- 7th Street (Porter to Connecticut)
- Busti (Hampshire to Massachusetts)
- Busti (Vermont to Porter)
- Prospect (Porter to Connecticut)

#### 7. NORTH DISTRICT

- Race & Military (Military to Hertel to Hinman Brass Plant)
- River Rock Drive
- Tonawanda (Crowley to Vulcan)
- Niagara (Ontario to Vulcan)
- Elmwood (Hertel to Kenmore)
- Seabrook (Vulcan to Roesch)
- Page (Lawn to Race)

#### 8. UNIVERSITY DISTRICT

- Bailey to Main
- Fillmore to Delavan
- Grider (Pembroke to Kensington)
- Manhattan (Central Park to Grill)
- Berkshire (Parkridge to Amherst)
- Eggert (Expressway to Delavan)
- Kensington (Grider to Fillmore)

**NOTE:** Where practical, these are potential locations for the installation of snow fences.

## **STREETS AROUND HOSPITALS**

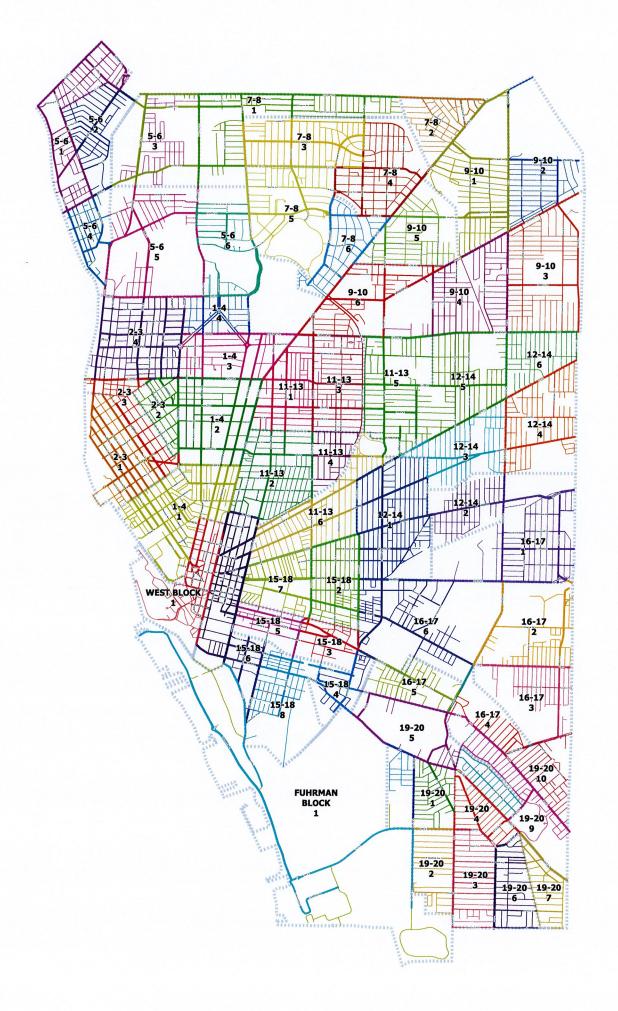
Street Name	From	То	District	Miles of	Average Width Street	# of (FEET)	Miles Plowed Passes
Choate	South Park	Abbott	South	0.6	28′	3	1.8
Lorraine	Abbott	McKinley	South	0.2	28′	3	0.6
Hodge	Ashland	Delaware	Delaware	0.3	30′	3	0.9
Bryant	Richmond	Main	Delaware	0.8	28′	3	2.4
Carolina	Seventh	Niagara	Delaware	0.1	30'	3	0.3
Grider	East Ferry	Leroy	University	1.2	37'	4	4.2
Benwood	Main	East Morris	University	0.2	30′	3	0.6
Kingsley	Humboldt	Wohlers	Masten	0.1	26'	3	0.3
High	Main	Michigan	Masten	0.3	30′	3	0.9
Goodrich	Elk	Michigan	Masten	0.2	30′	3	0.6
Barton	Auburn	Lafayette	Niagara	0.1	26'	3	0.3
Seventh	Court	Carolina	Ellicott	0.3	38′	4	1.2
Pine	Swan	Broadway	Ellicott	0.8	36′	4	3.2

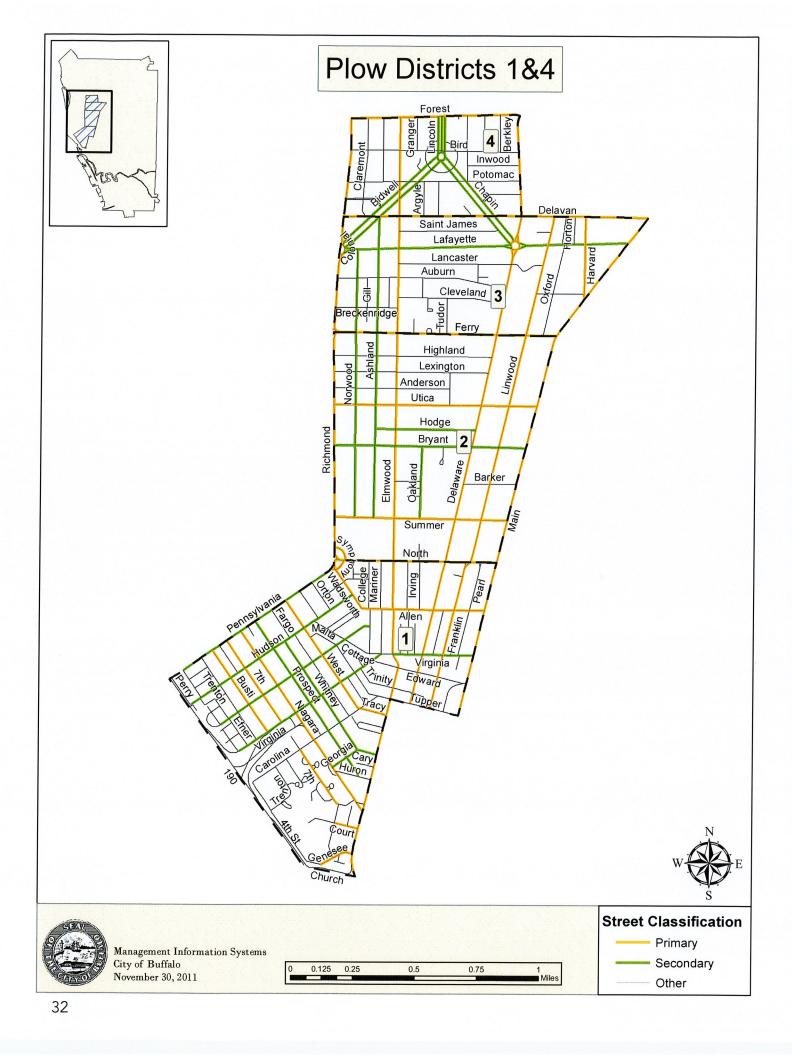
## \* NFTA METRO PRIMARY EMERGENCY BUS ROUTES

BUS #	ROUTE	FROM	ТО	MILES OF STREET
1	William	Downtown	Lovejoy / Goethe	4.4
2	Clinton	City Hall	Fernwood	4.4
3	Grant	Downtown	Vulcan (via Grant and Skillen)	7.2
4	Broadway	Downtown	City Line	4.4
5	Niagara	Downtown	Vulcan	6.4
6	Sycamore	Waterfront	Randolph	5.3
7	Baynes / Richmond	Downtown	Forest / Richmond (via Franklin, North, Richmond, Baynes)	4.4
8	Main	Downtown	City Line	6.2
11	Colvin	Downtown	City Line (via Delaware, Amherst / Kensington, Huntley, East Utica, French)	6.3
12E	East Utica	Main & Utica	Kehr, Ferry to Bailey, Langfield, Eggert and Kensington	8.5
12W	West Utica	Main & Utica	Bailey / Highgate (via Main, Ferry, Grider and Kensington/Bailey)	4.8
14	Abbott	Downtown	Abbott / Greenwood (via South Park & Abbott)	6.6
15	Seneca	Downtown	City Line	5.3

# NFTA METRO PRIMARY EMERGENCY BUS ROUTES CONTINUED

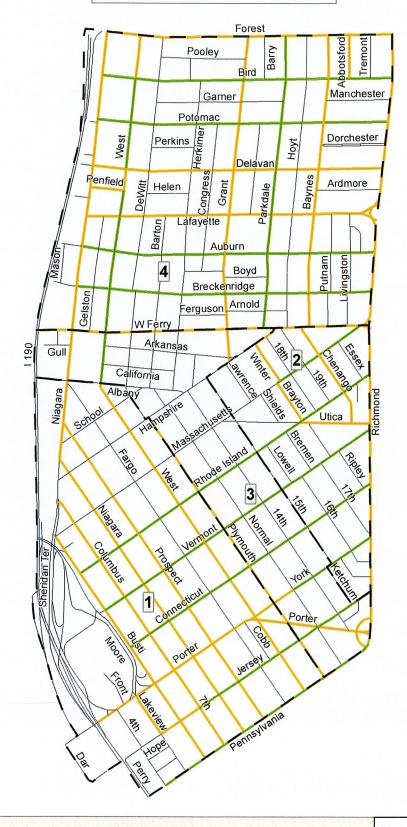
BUS #	ROUTE	FROM	ТО	MILES OF STREET
16	South Park	Downtown	City Line	6.1
17	Kensington / Williamsville	Delavan	City Line (via Main and Kensington)	7.1
18	Jefferson	Delavan Station	Delavan and Jefferson	7.4
19	Bailey		McKinley Circle	10.1
20	Elmwood	Downtown	City Line	5.8
22	Porter / Best	Lakeview / Jersey	Walden / Bailey (via Porter, Summer & Best)	4.7
23	Fillmore / Hertel	South Park / Lee	Watergate Apartments (via Fillmore, Main and Hertel)	9.8
24	Genesee	Amtrak Buffalo	City Line	5
25	Delaware	Downtown	City Line	6.1
26	Delavan	Delavan / Niagara	Delavan / Preston	5.5
29	Wohlers	Main / Jefferson	Hudson   Effner	4.9
30	Kenmore	Main / Bailey	Tonawanda / Vulcan, via Main, Kenmore, Military, Ontario, Niagara and Tonawanda	5.3
31	Ogden / Tifft	Broadway / Bailey	Nason Loop (via McKinley Circle)	6.8
	Babcock	William	Clinton	
	Babcock	William	Babcock Station (Used By All Buses)	0.2
	Babcock	Clinton	Babcock Station (Used By Service Trucks, Not Buses)	0.5
39	Parker	Kenmore	(via Starin, Parkside, Florence, Main and Delavan)	



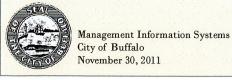


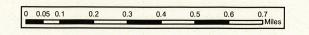


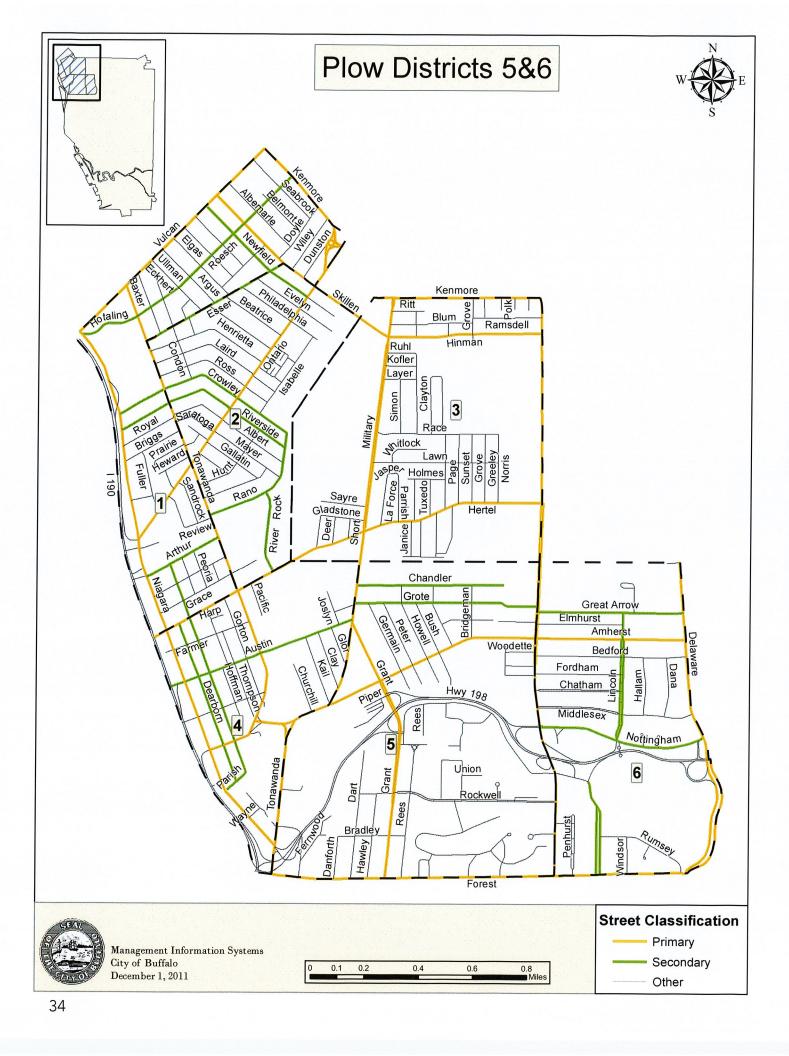
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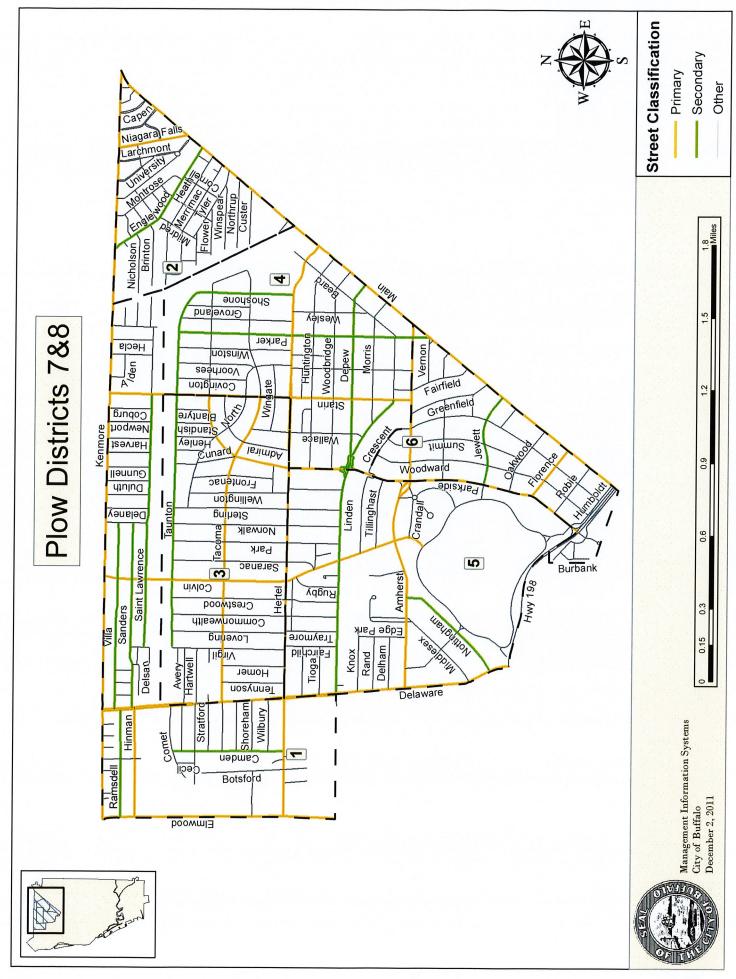


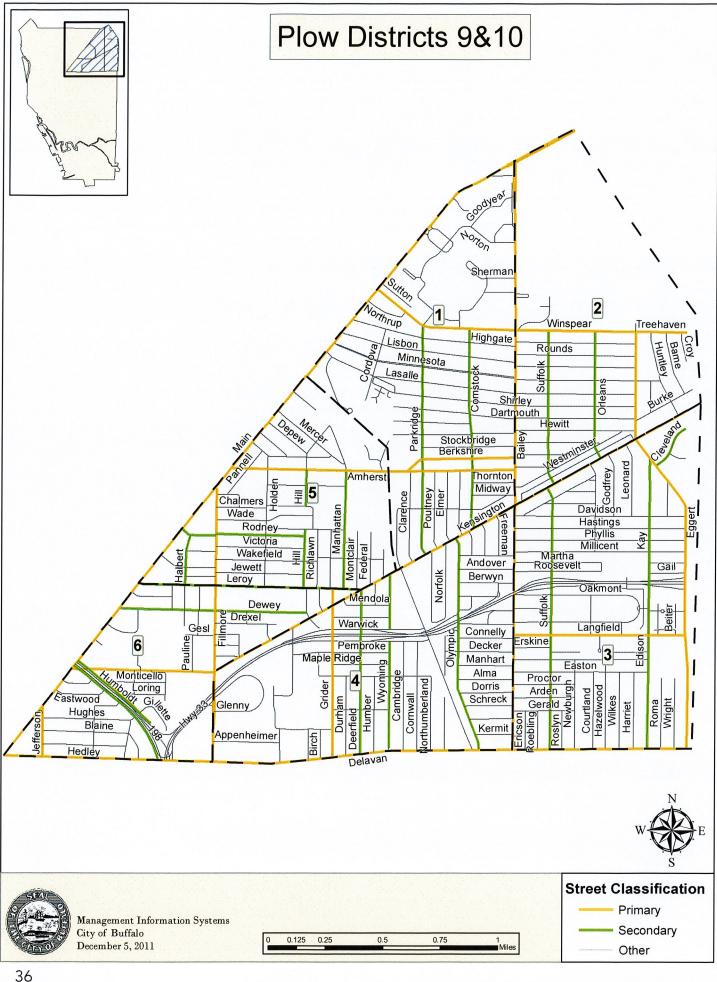


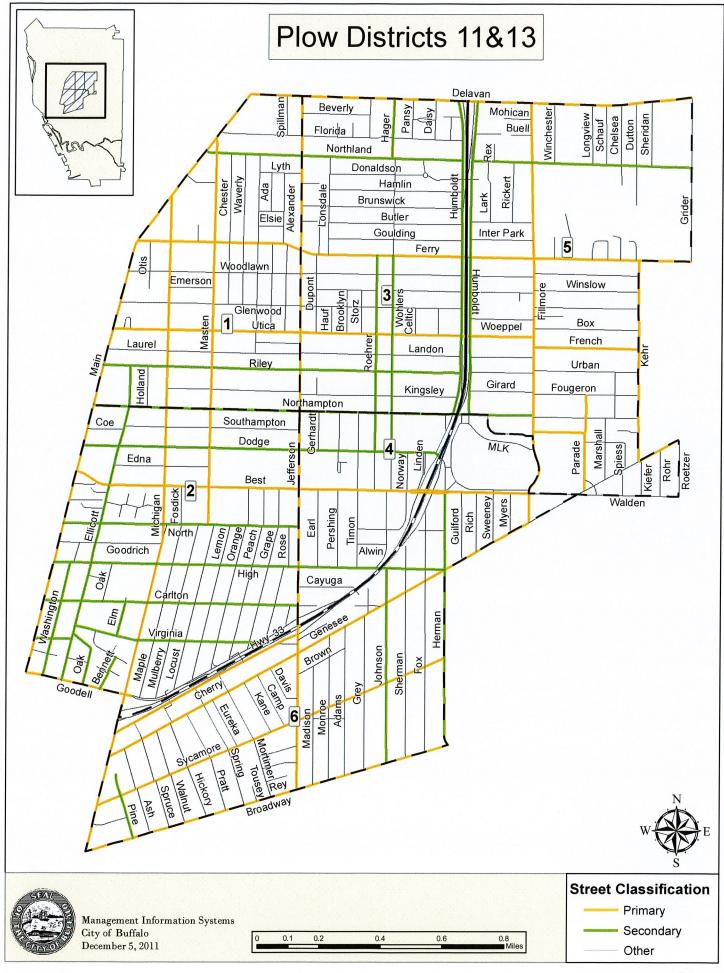


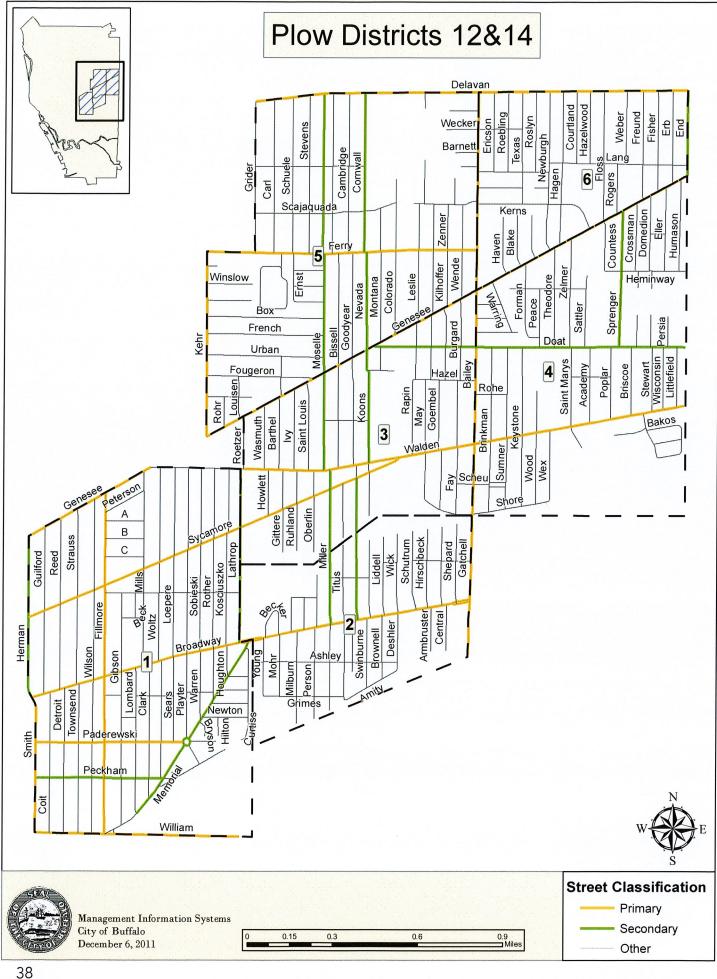




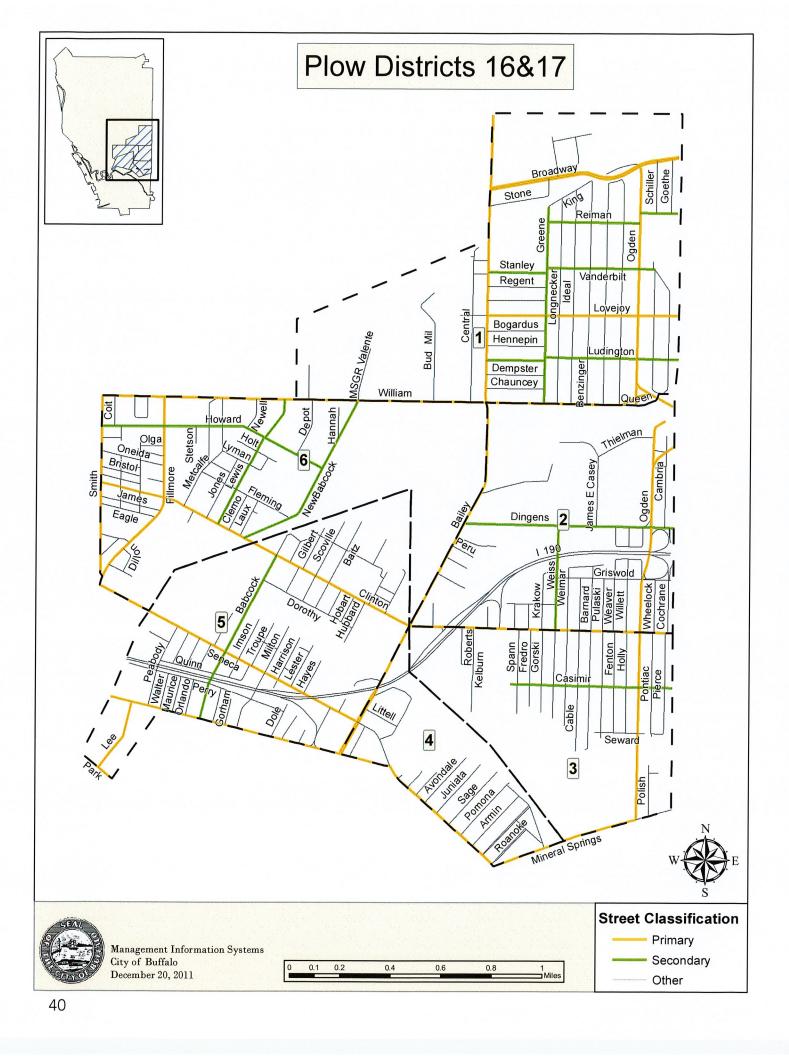


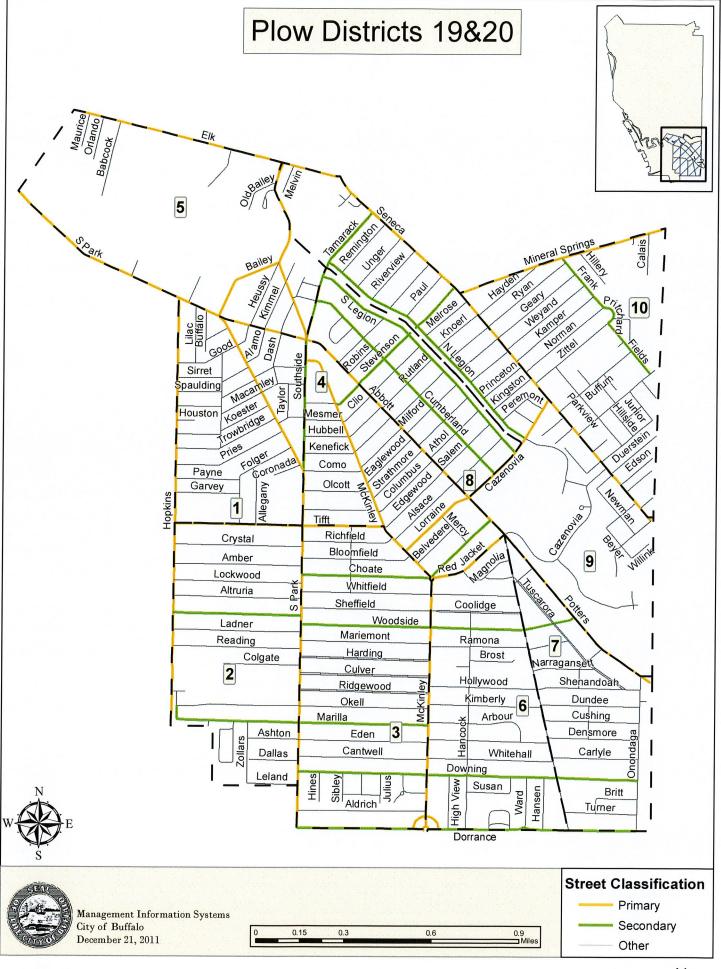












# DIVISION OF ENGINEERING

# ENGINEERING DIVISION EQUIPMENT LIST

# **ENGINEERING RESOURCES:**

E-6 Pickup w/plow

E-11 Pickup w/plow

E-660 Utility Truck w/plow

E-598 Bobcat Skid Steer

E-668 Dump w/plow

E-669 Dump w/plow

E-670 Dump w/plow

E-637 Salt Spreader

# **VIADUCT LIST**

## **DISTRICT 1**

# SUBWAY OR OVERPASS

Porter Avenue over Thruway

## **DISTRICT 2**

## **BRIDGE OR VIADUCT**

- Military Rd. (North of Chandler)
- Military Rd. (South of Hinman)
- Tonawanda St. (at Amherst)
- Austin St. (East of Tonawanda St.)
- Niagara St. (North of Tonawanda St.)
   (2 Subways)
- Skillen St. (between Ontario & Military Rd.)
- Hertel Ave. (between Military and Tonawanda St.)
- Niagara St. (near Forest)
- Hamilton to Austin to Hertel from Niagara to dead-end / Hertel west of Niagara
- Delaware Ave. (between Knox & Linden)
- Colvin Ave. (between Crescent & Linden)
- Parkside Ave. (between Depew & Linden)

#### SUBWAY OR OVERPASS

- Main St. (between Jewett and Rodney)
- Main St. (at Kensington)
- Grant St. (south of Amherst over Thruway)

## **DISTRICT 3**

# **BRIDGE OR VIADUCT**

- Fillmore and Northland
- East Ferry (west of Grider)
- Suffolk (between Oakmont and Roosevelt)

#### SUBWAY OR OVERPASS

- Kensington Ave. (between East and West Humboldt)
- East Ferry (between Humboldt Pkwy. and Expressway)
- Fillmore (south of Kensington)
- Deerfield Ave. (between Kensington and Pembroke)
- East Utica (between Fillmore and Wohlers)
- Best (between Linden and Herman)
- Best (between Herman and Expressway)

## **DISTRICT 4**

## **BRIDGE OR VIADUCT**

- French (between Barthel and Kehr)
- Fougeron (between Barthel and Kehr)
- Delavan and Olympic
- Genesee St. (between Colorado and Leslie)
- Walden and Sycamore
- Genesee St. (between Wasmuth and Roetzer)
- Goodyear (between Sycamore and Empire)
- Miller (between Sycamore and Empire)
- Sycamore (between Lathrop and Howlett)
- Broadway at Memorial Drive
- East Ferry (between Colorado and Leslie)
- North Doat (between Rapin and Rustic)
- East Ferry (west of Grider)
- Swan and Seneca
- Van Rensselaer (between Perry and Exchange)
- Louisiana St. (between Seneca and Thruway)
- Ohio (South of Ganson)
- Smith St. (between Perry and Thruway)
- Clinton and Bond
- Emslie and Eagle

## SUBWAY OR OVERPASS

- Bailey Ave. (between West Shore and Broadway)
- East Ferry (between Humboldt and Expressway)
- Michigan (between Scott and Seneca)
- Hamburg St. (between Seneca and Fulton)
- Seneca St. (between Hamburg and Larkin)
- Hamburg and Expressway (at Perry)
- South Park (between Katherine and Elk)
- South Park over Buffalo River
- Elk St. (between Smith and Lee)
- Ohio St. (between Ganson and Fuhrmann Blvd.)

## CONTINUED —

# **DISTRICT 5**

# **BRIDGE OR VIADUCT**

- Clinton and Fillmore
- William and Fillmore
- William and Ogden
- Broadway and North Ogden
- Smith and Oneida
- Bailey Ave. (between William and Dingens)
- Clinton (between Olsen and Roberts)
- Perry and Milton
- Howard (east of Fillmore)

- Babcock and Quinn
- Subway or Overpass
- South Ogden St. (between Griswold and Dingens)
- Bailey Ave. (between Seneca and Clinton)
- Bailey Ave. (between Stanley and Broadway)
- Babcock (between Seneca and Clinton)
- South Ogden (between Mineral Springs and Seward)

# ISLAND AND CUL-DE-SAC STREETS

# **DISTRICT 10**

Dorchester/Niagara

Days Park/Ellicott

Argyle/North

Johnson Pkwy/Ellicott

St. Catherine Ct/ Delaware

Arlington Pkwy/Ellicott

# **DISTRICT 12**

Pelham/University

Allenhurst/University

Capen/University

Lincoln/Delaware/North

Penhurst/Delaware

Radcliffe/University

Larchmont/University

University/University

Middlesex/Delaware

Shoreham/North

Fordham/North

Bedford/North

Chatham/North

Middlebury/North

Randwood/North

New Amsterdam/Delaware

Duane/Delaware

Linview Terr/Delaware

Willowlawn/Delaware

# **DISTRICT 14**

Linden/Ellicott

Norway/Ellicott

Viola/Masten

Beverly/Masten

Brunswick/Masten

# **DISTRICT 15**

Roanoke/South

Seminole/South

St. Mary/Lovejoy

Academy/Lovejoy

# **DISTRICT 16**

Ridgewood/South

Culver/South

Harding/South

Coolidge/South

Tuscarora/South

# **ENGINEERING SNOW REMOVAL LOCATIONS**

All Fire Stations (P)

Fire Alarm Office (P)

All Police Stations (P)

All Lift Bridges (P, only when fireboat is operating)

Erie Basin Marina (Plow lot only)

Broadway Market (P)

Mechanical Services (P)

Community Center at E District Police Station on Bailey (P)

Satellite Police Office for School Resources (P)

Darrow Alley off of Ellicott

Erie Street sidewalk between Naval Park and Erie Basin Marina (previously BURA)

South Park Bridges, Stairway (4 locations)

Depew and Parkside, Stairway

William and Metcalfe, Stairway

Hopkins Bridge, Stairway

Bailey Bridges (2 locations both Stairways)

Amherst at Tonawanda, Stairway

S. Ogden at William, Stairways

# **BRIDGES**

Van Rensselaer	Perry	Exchange
Louisiana	Seneca	Thruway
Michigan	Scott	Seneca
Hamburg	Seneca	Fulton
Seneca	Hamburg	Larkin
Hamburg	Expressway	Perry
S. Park	Katherine	Elk
William	Ögden	
Broadway	N. Ogden	
Bailey	William	Dingens
S. Ogden	Griswald	Dingens
Bailey	Seneca	Clinton
Bailey	Seneca	McKinley
Babcock	Seneca	Clinton
S. Ogden (P)	Mineral Springs	Seward
Cazenovia (P)	N. Legion	S. Legion
Stevenson	N. Legion	S. Legion
Southside (P)	N. Legion	S. Legion
Tifft	S. Park	RTE. 5

# DIVISION OF PARKS

# PARKS DEPARTMENT EQUIPMENT

# **PARKS RESOURCES:**

# 450'S

**BPK 314** 

**BPK 317** 

**BPK 318** 

BPK 426

BPK 427 NO PLOW FORESTRY

# **BOBCAT**

**BPK 83** 

**BPK 84** 

BPK 286

# **TANDEM**

BPK 9820 NO PLOW

# **HIGH LIFTS**

**BPK 249EQ** 

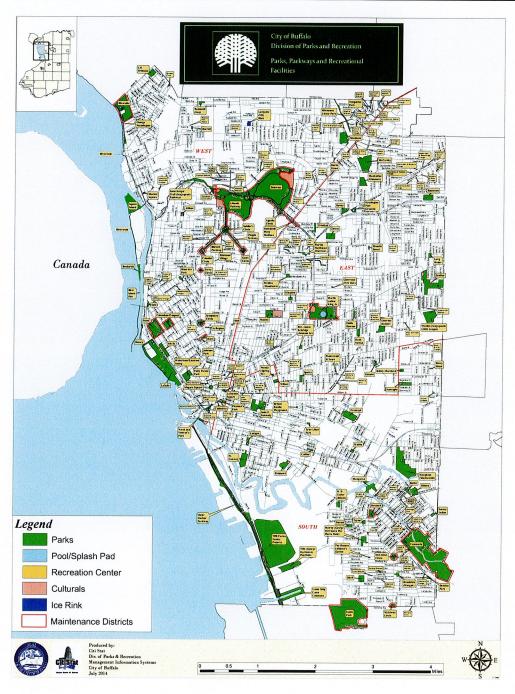
BPK 9720

NAME	PARKS MAINTENANCE ZONE	LOCATION
Lincoln Ctr	East	Rec Ctr
JFK Ctr	South	Rec Ctr
Hennepin Ctr	South	Rec Ctr
Machnica Ctr	South	Rec Ctr
Autumnwood Ctr	South	Senior Ctr
Asarese Matters Ctr	West	Rec Ctr
Lovejoy Pool	South	Indoor Pool
Tosh Collins Ctr	South	Rec Ctr
Cazenovia Pool	South	Indoor Pool
McCarthy	East	E. Amherst (NS) between Manhattan Ave. & Parkridge Ave.
Gleasner (Manhattan) (Kevin Roberson Pk.)	East	Manhattan St. (ES) Opp Post Office
Roosevelt	East	Foot of Roosevelt Ave. (East End)
Dewey	East	Kensington Ave./Castle Pl./Dewey
Trinadad	East	Trinadad Pl. opp. Loring Ave.
Glenny	East	Fillmore Ave./Glenny Dr.
Eton Hill	East	SEC of Oakgrove Ave. @ Blaine Ave.
Lang-Weber	East	NWC of Lang Ave. @ Weber St.
Billy Horrace Johnson	East	Florida @ Northland
Florida/Hager	East	Florida @ Hager
Scajaquada Path	East	Humboldt Pkwy. (WS) between Northland Ave. & Hamlin Pk. at pedestrian overpass
Box PG	East	Foot of Roeder St. (east end) between Glenwood Ave. & Box Ave.
Kingsley	East	Kingsley St./Jefferson Ave./RileySt./Reohrer Ave.
Eddie Dawson	East	Genessee St./Wasmuth Ave./Walden Ave./Roetzer St.
Walden	East	Bakos Blvd. (WS) south of Walden
Masten	East	Jefferson Ave./Dodge St./Masten Ave./Best St.
Emerson	East	Sycamore Ave. @ Koons Ave.
Hank Nowak	East	Sycamore Ave. (SS) between Lathrop Ave. & Gittere Ave.
Rev. James Eckridge Park	East	Johnson St./Genesse St./Sycamore St./Sherman St.
Sperry	East	Paderewski Dr./Krettiner St./Peckham St./Sherman St.
Sycamore/Walden Monument		East Sycamore St. @ Walden Ave.
Kensington Pool	East	Kensington Ave. @ Grider St.
Perkins (Woodlawn)	East	SEC of E. Ferry St. @ Dupont St.
Main-Northland Monumer	nt	East Main St./Northland Ave./Masten Ave. (triangle)
Orleans/Stockbridge	East	Orleans Ave./Stockbridge Ave./Westminster Ave. (triangle)
Suffolk & Bickford	East	Suffolk St./Bickford Ave./Fennmore Ave. (triangle)

Edith & Bickford	East	Edith St./Bickford Ave./Orleans Ave. (triangle)
Alice & Bickford	East	Alice/Bickford
Kay & Eggert	East	SWC of Eggert Rd. @ Kay St.
E.Amherst/Westminister	East	Westmonster /Amherst
Sycamore/Beckwith	East	Sycamore St./Beckwith St./Madison St. (triangle)
Paderewski/Sears	East	Crnr Sears @ Paderewski
Kermit & Olympic	East	Kermit/Olympic
Hewitt/Westminister	East	Crnr ped ramp
Wende	South	SEC of Sycamore Ave. @ Spring St.
Willert	South	SWC of Mortimer St. @ W. Peckham St.
JFK Park	South	Clinton St./Pine St./S. Division St./Hickory St. next to School
Lanigan Park	South	Fulton St./Louisiana St./Perry St.
Conway	South	Louisiana St. (WS) between Republic St. & Mackinaw St.
Bailey-Moreland	South	Moreland St./Bailey Ave./Regent St. behind Police Station
Davey	South	Davey St. (ES) between Vanderbilt St. & Lovejoy St.
Hennepin Park	South	Bailey Ave./Ludington St./
Franczyk	South	New Babcock St./Fleming St.
Stachowski (Houghton Park)	South	Clinton St. (SS) between Kelburn St & Spann St. next to & behind School
Collins	South	Smith St. (ES) mid block between Clifford St. & I-190
Mullen	South	Seneca St. (NS) between Harrison St. & Milton St.
Hillery	South	Mineral Springs Rd. (NS)
Mungovan	South	Southside Pkwy. (WS) @ N. Legion Dr. behind School
Butler	South	Roanoke Pkwy./Pawnee Pkwy./Navaho Pkwy. (triangle)
H.D. Taylor	South	Boone St./South Park Ave./Pembina St./Germania St.
Seneca Indian	South	Buffum St./Fields Ave./Zittel St./Parkview St.
Hartmann Tifft Playfields	South	Tifft St. (NS) between Fuhrmann Blvd. & Hopkins St.
Taylor	South	South Park Ave./Josie Pl./Taylor Pl./Macamley St.
Durant	South	Durant St. (WS) between Houston St. & Koester St.
Mulroy	South	Tifft St./South Park Ave./Coronada St./Allegany St.
Brookdale	South	Morgan Rd. (west end) to Mckinley Pkwy.
Okell	South	Carter St. (NS) west of South Park
William & Ogden	South	William St.
Onandoga	South	Seneca/Mineral Springs Rd.
Tyler	South	South Park Ave. @ South Side Pkwy. (triangle corner)
Tuscarora Triangle	South	Tuscarora Rd./Niantic
Sheldon Pk.	South	Tuscarora Rd./Niantic
Jesse Clipper Monument	South	SEC of Michigan Ave. & William
Bristol Emslie	South	Bristol/Emslie
Gay (Ramsdell)	West	Hinman Ave./Grove St./Ramsdell

		10.000
J.H. Williams	West	Vulcan St./Bellmont/Albermarie
Barrett	West	Race St. @ Page St.
Peter Street	West	Peter St. dead end from behind School to Basketball Courts
Unity Island	West	Niagara St. over the International R.R. bridge
Shoshone	West	Hertel Ave./Beard Ave.
Allison PG	West	Rees St./Bradley St./Grant St.
Broderick	West	Foot of W. Ferry St.
Mass Ave Park	West	Off Massachusetts St. between Lawrence Pl. & Winter St.
Sole Park	West	Niagara St./Seventh St./Massachusetts St. (triangle)
Life Memorial	West	NWC of Porter Ave. @ Normal Ave. (triangle)
Sisti Park	West	SEC of Linwood Ave. @ North St.
Arlington	West	Arlington Pl./Arlington Pk./College St.
RCWJ Centennial	West	Porter Ave./Niagara River/Erie basin Marina/I-190
Waterfront/Emerson Your	ng West	Carolina St./Fourth St./W. Genessee St./Busti Ave.
Forest Bus Stop	West	Niagara St. (WS) between Forest Ave. & Scajaquada Creek
Niagara/School Triangle	West	Naigara St. School St./Prospect Ave. (triangle)
Mass Triangle	West	Massachusetts St./Fifteenth St./W. Utica St. (triangle)
School & Albany	West	Albany St./Normal Ave./School St.
Niagara/Hampshire	West	Niagara St./Hampshire St./Busti
Burke's Green	West	Beard Ave./Depew Ave./Wesley Ave.
Heath & Mildred	West	Mildred St. @ Heath St. (triangle)
Tyler & Mildred	West	NWC of Mildred St. @ Tyler St.
Merrimac/Mildred	West	NWC of Mildred St. @ Merrimac St.
Tyler & Flower	West	Tyler St./Flower St./Bruce St. (triangle)
Amherst/Middlesex	West	Amherst St. (SS) @ Middlesex Rd. (triangle)
Winspear/Tyler Truangle	West	Tyler St. @ W. Winspear St. (accute corner lot & lot N. on Tyler)
Jesse Kregal Path	West	Elmwood to Grant
Erie Hills	West	Erie @ S. Division
Maritime Memorial	West	Swan @ Franklin
4th St. Playgroud	West	4th and Hudson
Minnesota Linear	West	NFTA Lot to Merrimac
Riverside	Olmsted	
Delaware	Olmsted	
Soldier's Circle	Olmsted	
Colonial Circle	Olmsted	
Front	Olmsted	
Martin Luther King	Olmsted	
Gates Circle	Olmsted	
		· · · · · · · · · · · · · · · · · · ·

Heacock	Olmsted
Cazenovia	Olmsted
South Park	Olmsted
Ferry Circle	Olmsted
McClellan Circle	Olmsted
McKinley Dorrance Circle	Olmsted
Symphony Circle	Olmsted
Prospect	Olmsted
Bidwell Pkwy Median	Olmsted
Humboldt Pkwy Median	Olmsted



# MAYOR'S IMPACT TEAM

**IMPACT TEAM SNOW REMOVAL** Military North of Chandler Military South of Hinman Tonawanda Amherst Austin East of Tonawanda North of Tonawanda (2 Subways) Niagara Skillen Ontario Military Hertel Military Tonawanda Niagara Forest Delaware Knox Linden Colvin Crescent Linden Parkside Depew Linden Kensington Main Grant **Amherst** Amherst Starin Elmwood S. Amherst Elmwood Great Arrow Kenmore **Dunston Circle** Starin **Taunton** Colvin Taunton Amherst McCarthy Park Kensington E. Humboldt W. Humboldt Sisters Hospital Kensington Over Thruway Edison **PEDESTRIAN BRIDGES OVER 33** Kenfield

Kenfield Mulberry Peach Hamilin Cayuga

# 2022-2023 SNOW REMOVAL STANDARD OPERATING PROCEDURE

